What is claimed is:

1. An exhaust gas purifying equipment for a diesel engine comprising a first continuous regeneration type diesel particulate filter disposed in an exhaust passage of an engine, a bypass passage bypassing the exhaust passage at the upstream of the first continuous regeneration type diesel particulate filter, a second continuous regeneration type diesel particulate filter disposed in the bypass passage, a switching valve for switching the flow path of an exhaust gas disposed in said exhaust passage between the bypass passages, an exhaust temperature raising means for raising the exhaust temperature of the engine, an exhaust temperature area detection means for detecting the exhaust temperature area of the engine, and a control means for controlling the exhaust temperature raising means and the switching valve in correspondence to the exhaust temperature area of the engine detected by the exhaust temperature area detection means,

wherein the control means operates the exhaust temperature raising means, executes a post-injection, and furthermore controls the switching valve so that the exhaust gas passes through the second continuous regeneration type diesel particulate filter, in the case where the exhaust temperature area of the engine detected by the exhaust temperature area detection means is an extremely low temperature area of which the exhaust temperature is lower than that of a predetermined temperature area.

2. The exhaust gas purifying equipment for the diesel engine in claim 1, wherein the control means operates the exhaust temperature raising means and at the same time controls the switching valve so that the exhaust gas passes through the second continuous regeneration type diesel particulate filter, in the case where the exhaust temperature area of the engine detected by the exhaust temperature area detection means is in the low temperature area, but

in the area of which the exhaust temperature is higher than that of the extremely low temperature area.

3. The exhaust gas purifying equipment for a diesel engine in claims 1 or 2,

wherein the post-injection is performed in the range of 80 ° BTDC to 120 ° BTDC.

4. The exhaust gas purifying equipment for a diesel engine in any of claims 1 to 3,

wherein the post-injection quantity is set to 10% to 20% of the main injection quantity.